



this is
HALLAMORE
who we are...
what we make...
what we've done...

HALLAMORE ELECTRONICS DIVISION OF THE SIEGLER CORPORATION

A Delaware Corporation . . . Executive Offices located at
610 South Harvard Boulevard, Los Angeles 5, California . . .

The Siegler Corporation Divisions and Subsidiaries;

Bogen-Presto Division — Paramus, New Jersey
Comet Division — Los Angeles, California
Community Antenna Company, Inc. — Reno, Nevada
Hallamore Electronics Division — Anaheim, California
Holly-General Division — Pasadena, California; Burbank, California
Hufford Division — El Segundo, California
Magnetic Amplifiers Division — New York, New York
Olympic Radio & Television Division — Long Island City, New York
Siegler Heater Division — Centralia, Illinois
Siegler Corporation of Canada, Limited
Vac-U-Lift Division — Salem, Illinois
Jack & Heintz Division — 7600 Broadway, Cleveland, Ohio

Net Sales 1960	\$84,095,002
Working Capital	21,464,965
Net Worth	25,521,982

Current combined sales since the merger with Jack and Heintz, effective February 2, 1961 have been running at \$100,000,000 per year. Actual sales, first six months of fiscal 1961 were \$49,053,963.

Shares of The Siegler Corporation are listed on the New York Stock Exchange and the Pacific Coast Stock Exchange.

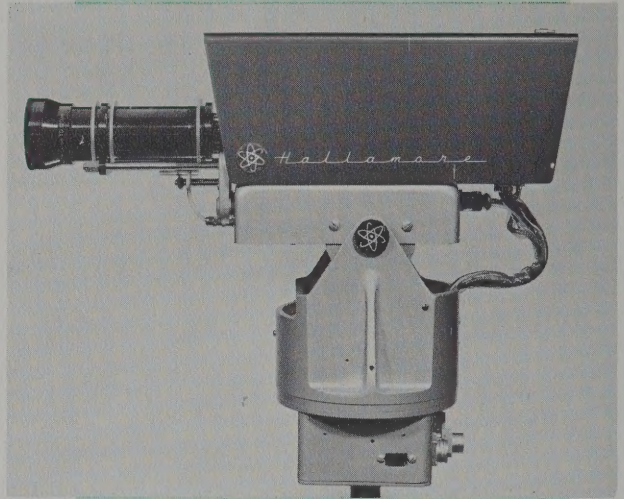
HALLAMORE ELECTRONICS DIVISION

714 NORTH BROOKHURST STREET
ANAHEIM, CALIFORNIA
PROSPECT 4-1010 • TWX AH-5279

HALLAMORE PRODUCTS

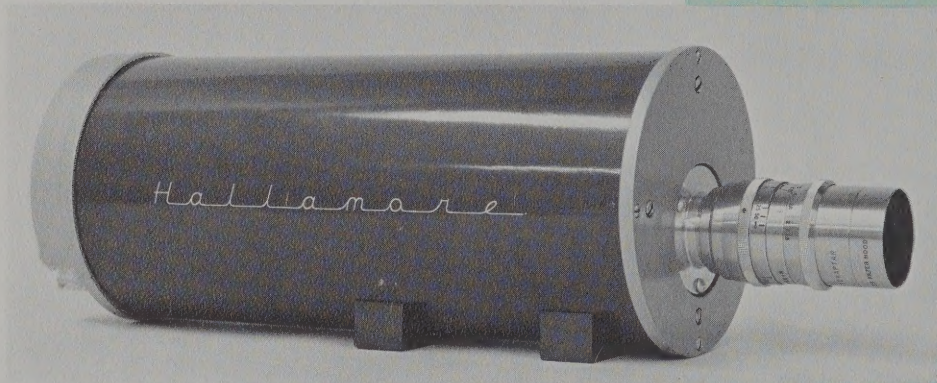
TELEVISION ...

... We made a *true* industrial
Vidicon Camera



Model CC400A

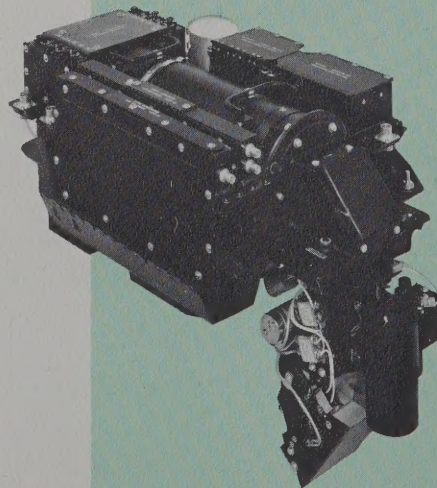
... We made the *first* rugged
transistorized Vidicon Camera



Model CC420

... We made the *first* transistorized
airborne Image Orthicon
reconnaissance camera

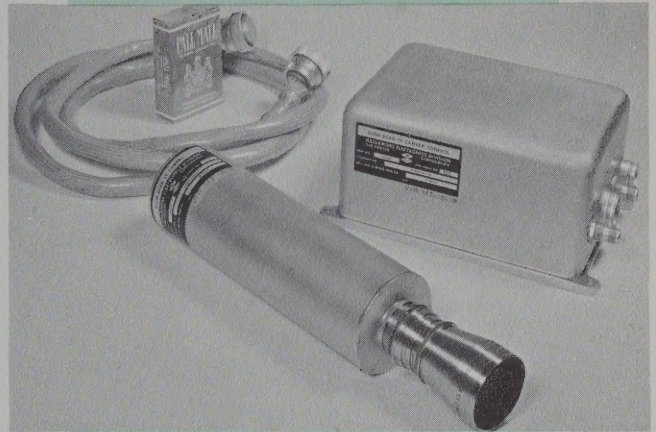
- *Deep Sea Search*
- *Airborne Reconnaissance*
- *Night Surveillance*
- *Missile Tracking*
- *Photon Threshold Imagery*
- *Aircraft Navigation*



... We made the *slow scan space television* system for the Centaur Program

... *A task normally requiring six months, was completed in 91 days.*

... *500-line resolution at 75KC transmission bandwidth*

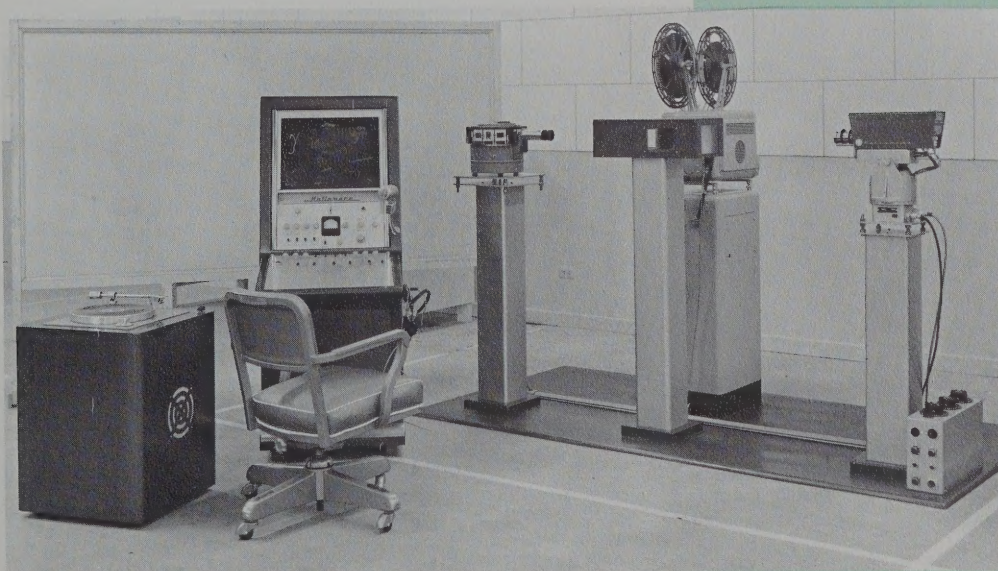


... We make *closed loop military color video* systems

... *Stereo viewing optional*



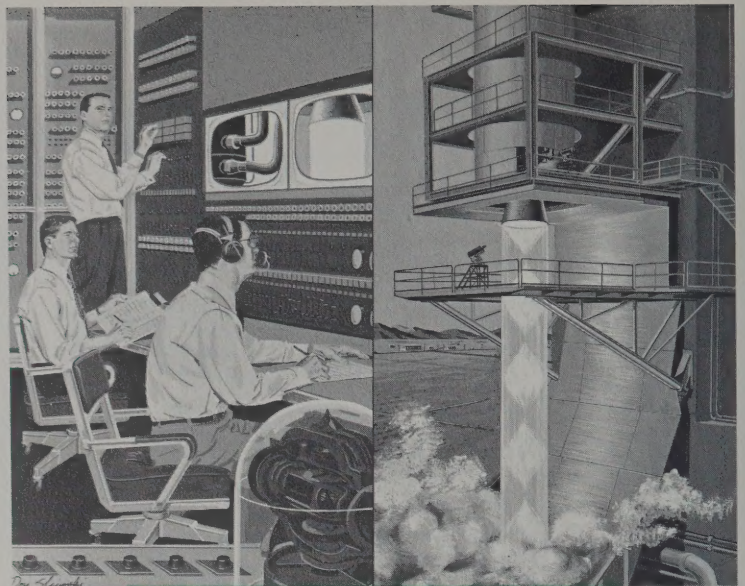
... We made the *first one-man studio* package



... Missile Test & Launch

<i>Saturn</i>	<i>Minuteman</i>
<i>Titan</i>	<i>Thor</i>
<i>Vanguard</i>	<i>Atlas</i>
<i>Jupiter</i>	<i>Redstone</i>
<i>Polaris</i>	<i>Juno</i>
<i>Pershing</i>	

Plus the X-15 and others ...



... Explosion Proof Camera

*... Designed for use in UDMH
and other toxic or explosive
atmosphere ...*



... Underwater Television

*... Over two years continuous
underwater operation.*



... Range Safety

- Skyscreen
- Pad Surveillance
- Bore Sighting



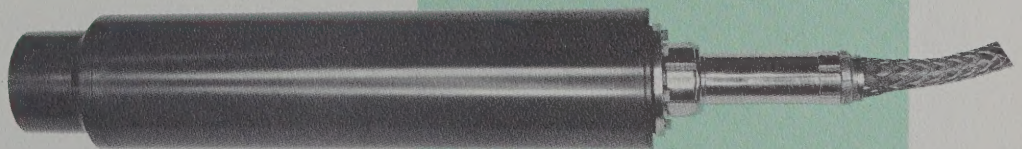
... Educational Television

- ... *First competitive procurement of educational closed-circuit television, comprising 22 schools in one system.*
(Anaheim School District, Anaheim, California)



... Well Camera

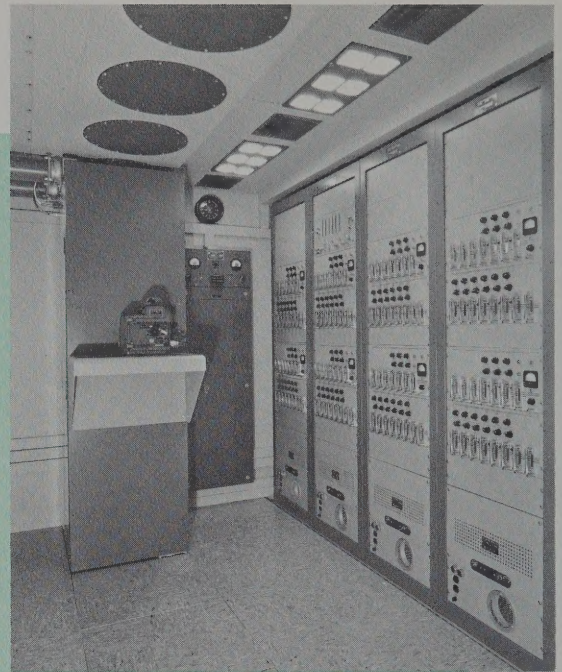
- ... *Used in the inspection of well casings to depths of 1500 ft.*



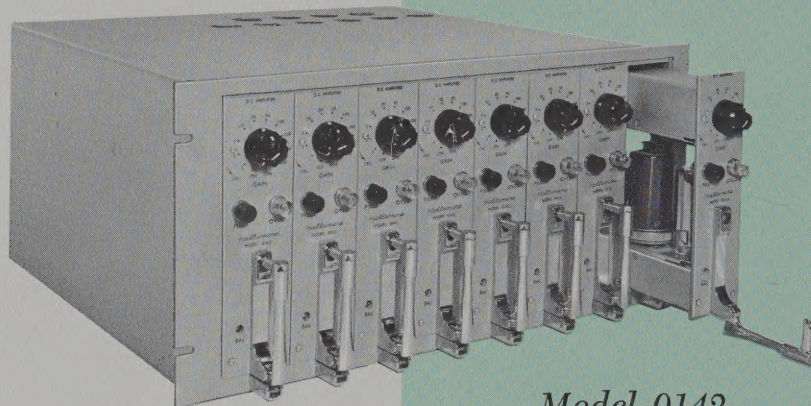
- ... *Plus a complete line of monitors, housings, switching equipment, remote controls, sync generators, and other accessories ...*

INSTRUMENTATION COMPONENTS

... We made the *first* electrically and mechanically integrated data systems utilizing modular components ...



... D.C. Amplifier



Model 0142

... We made the *first* Phase-Lock Subcarrier Discriminator

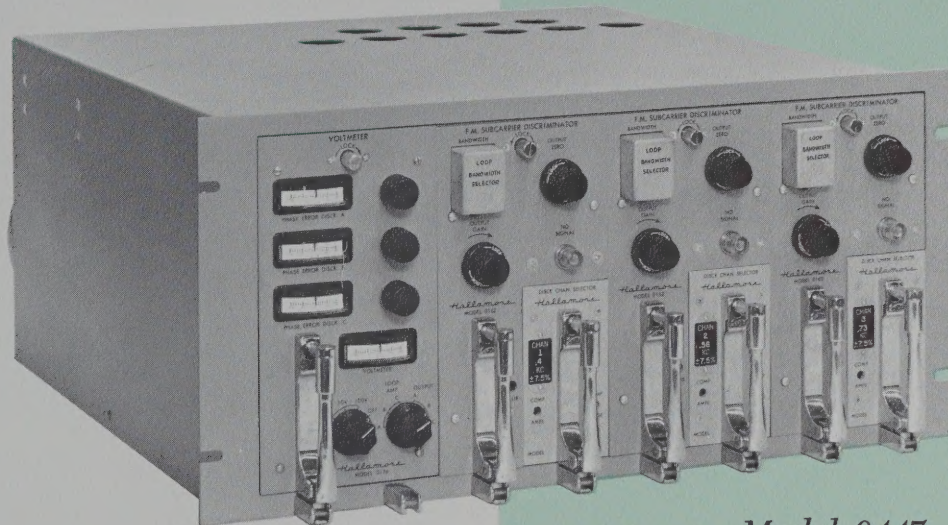
- *Phase coherent detection*
- *Selectable bandwidth*



Model 0162

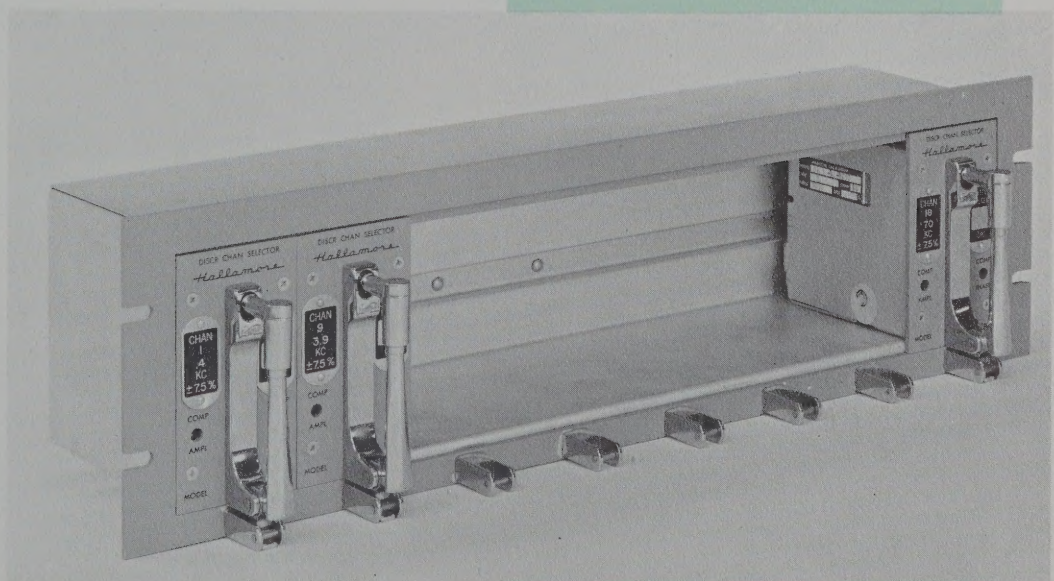
... Subcarrier Discriminator

- *Bandwidth Programming*
- *Lost Signal Search Voltage Injection*



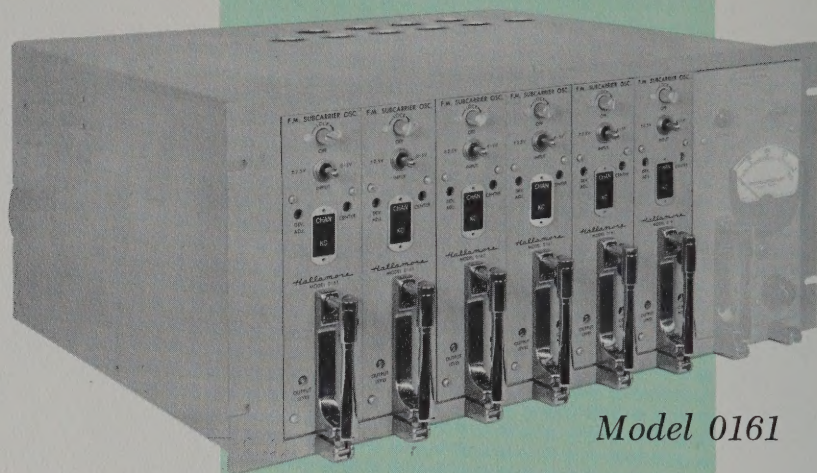
Model 0447

... Channel Selector Storage Cabinet



Model 0318

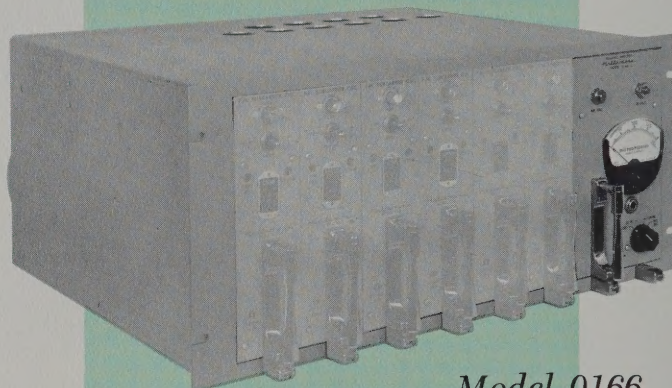
... Voltage Controlled Subcarrier
Oscillator



Model 0161

... Summing Amplifier

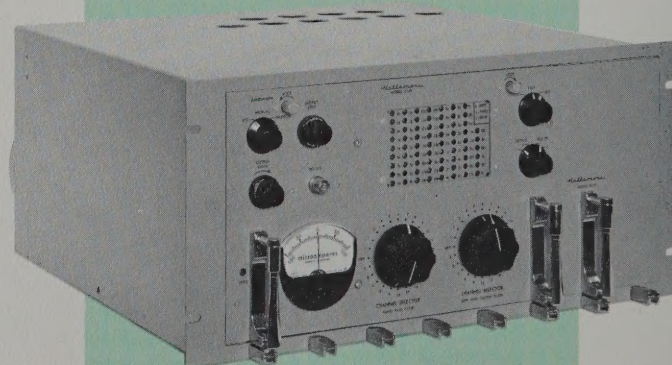
*... 18 input channels ...
... Self-contained crystal-controlled
reference oscillator ...*



Model 0166

... Bandswitching Discriminator

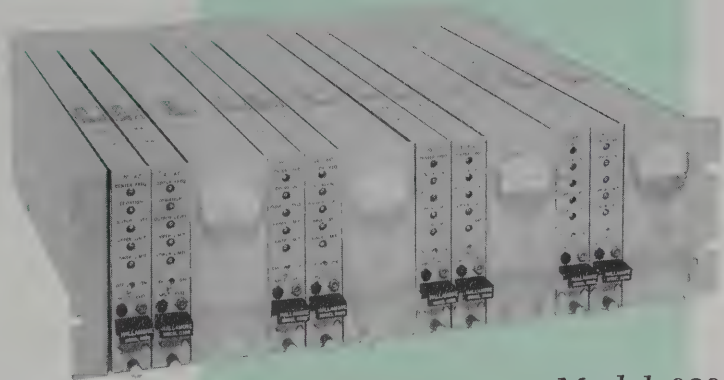
*... Only Phase Lock Bandswitching
Discriminator currently available*



Model 0169

... Solid State Voltage Controlled Oscillator

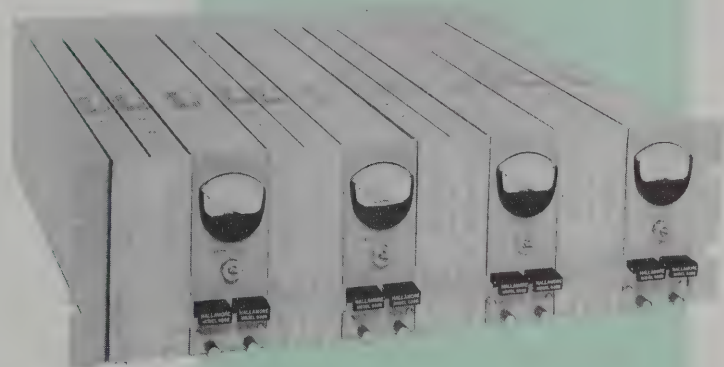
... *Up to 16 VCO's — or 14 VCO's and 1 Summing Amplifier per module*



... Solid State Summing Amplifier

Model 0395

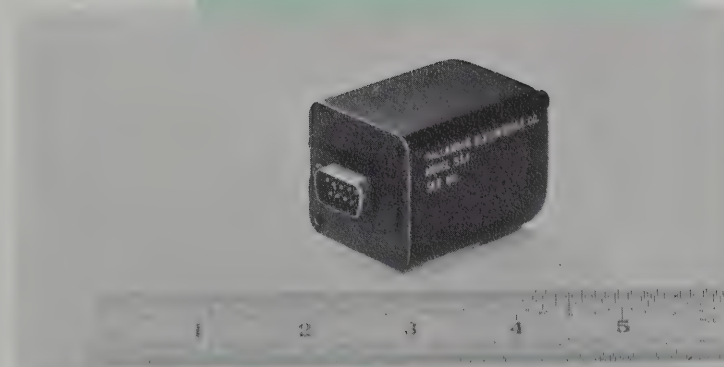
... *200kc frequency response*
... *18 input channels*



Model 0396

... Millivolt Controlled Oscillator

... *Solid State*
... *Welded construction*
... *Only 4½ oz.*

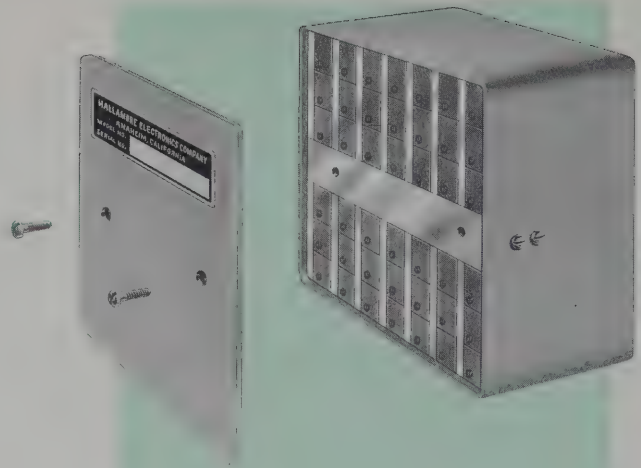


Model 0554

... Active Filters

... *Insert between transducers and commutator to reduce aliasing errors in PCM, PAM, PDM systems*

... *14 filters and power supply in 8.25 cu. in.*



... Potentiometric Voltmeter

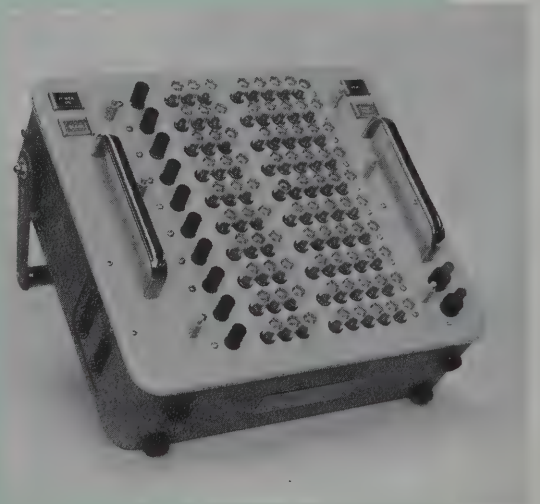
... *0-10 microvolts to 10 volts with .025% accuracy*



Model 0181

... MANUAL TAPE SIMULATOR

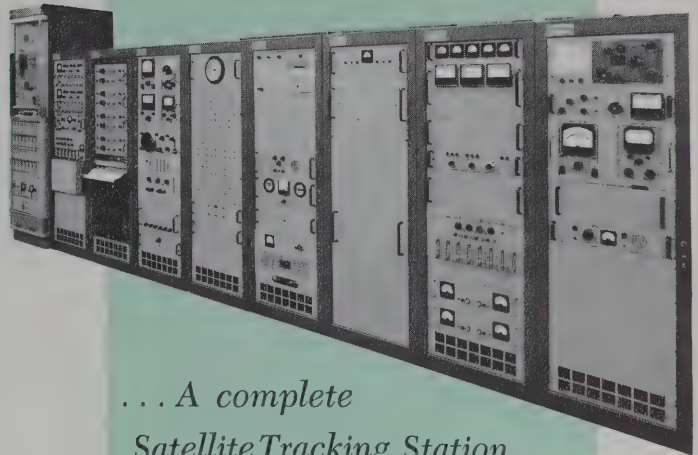
... *Originates or duplicates any digital program on one standard tape frame, to 80 bits*



Tapex Model 0359

PHASE-LOCK EQUIPMENT ...

... *First* commercially produced
Phase-Lock Receivers



... A complete
Satellite Tracking Station

... Second generation Phase-Lock
Receivers

... *System sensitivity with
0484 Converter and 0285
detector is -155 dbm*



Model 0285

... Converters for all satellite channels

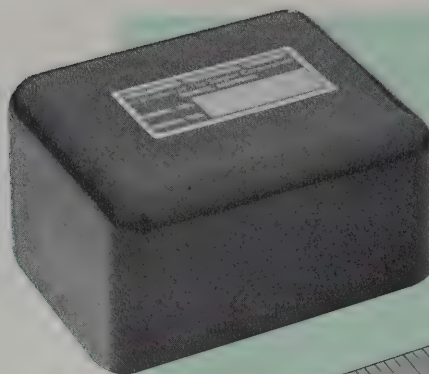
... *Others available on request*



Model 0484

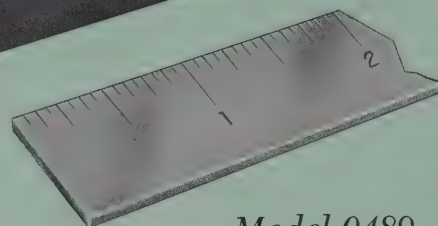
... Phase Stable Oscillators

... 1° per sec at 50 MC



... Local Oscillator Driver

... Front panel switching selects any of 96 channels in the 216-260 MC telemetry band.



Model 0489



Model 0485

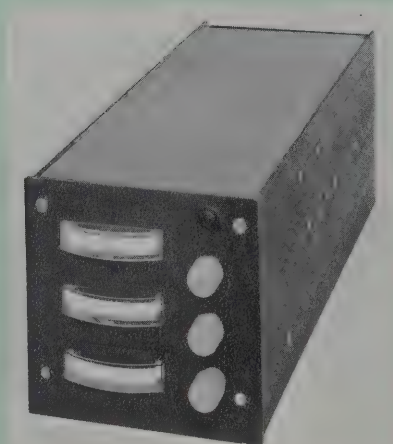
... Transistorized Phase-Lock Receiver

... Airborne or ground

... Air search and rescue

... Satellite tracking

... Survivable communication links

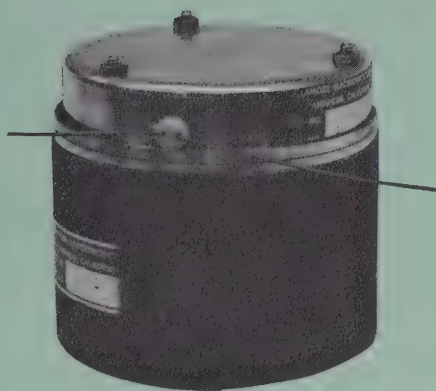


Model 0460

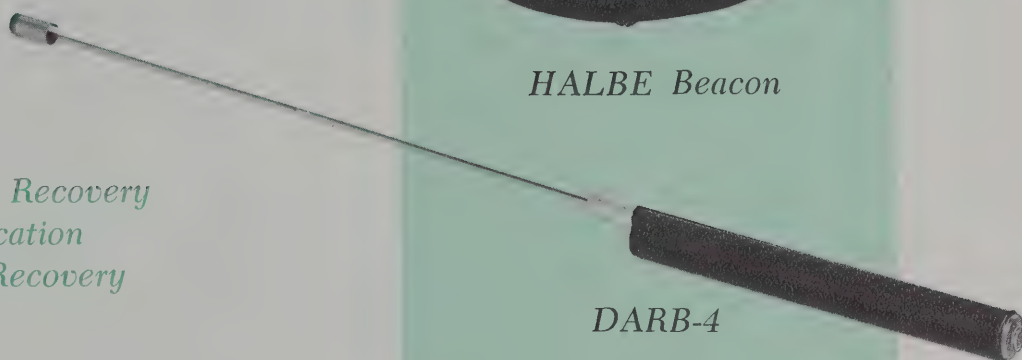
... Beacons

... Low Temperature Operation Phase
Stable Beacons

- *Nose Cone Recovery*
- *Telemetry*
- *Radiosonde*



HALBE Beacon



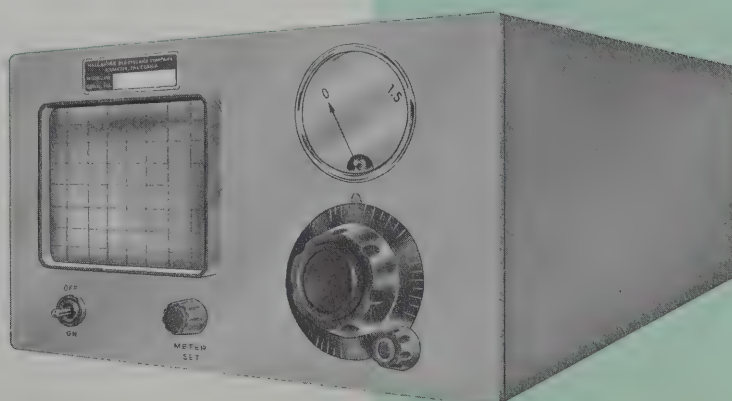
DARB-4

- *Personnel Recovery*
- *Crash Location*
- *Capsule Recovery*

... Low-Level Signal Generator

... *Incorporates Phase-Stable
Oscillator*

... *Calibrated output below
-155 dbm*

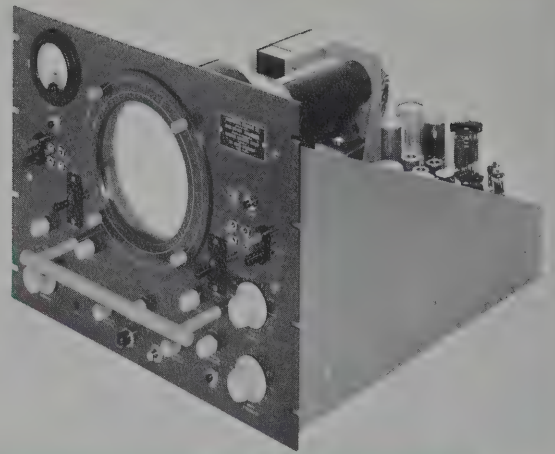


Model 0490

TELEPHONE AND VOICE FREQUENCY EQUIPMENT

... Transmission Measuring Set

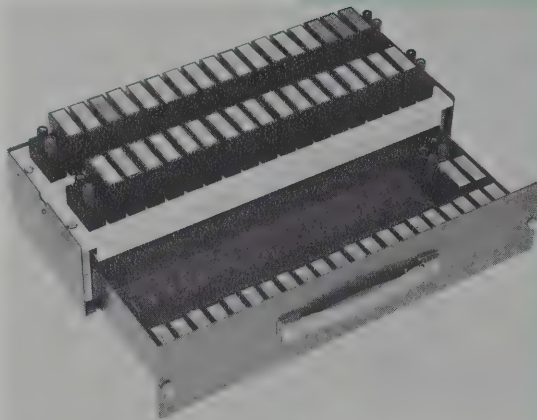
... *Displays response characteristics
of voice circuits.*



Model TMS-0100

... Artificial Line

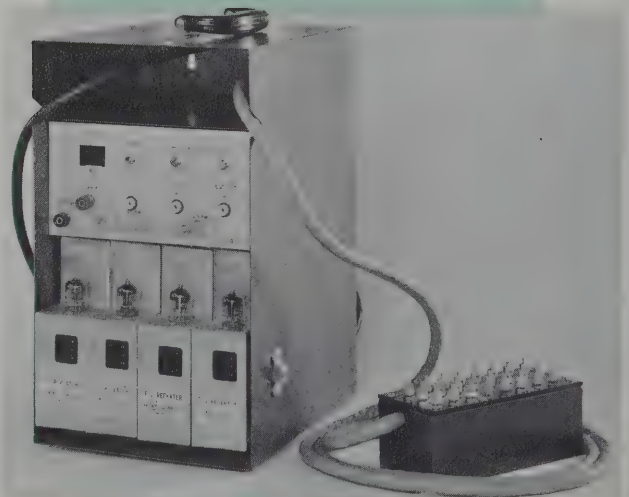
... *Simulates outside plant circuits*



Model TLA-0100

... Portable E-Repeater Package

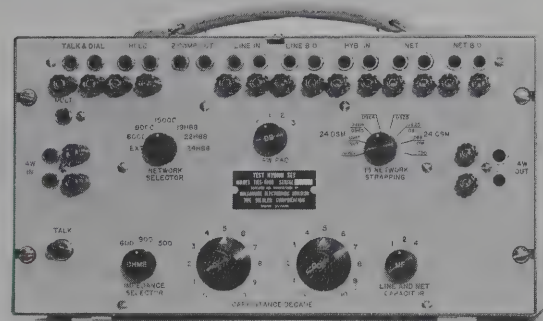
... *Contains four voice-frequency
repeaters and power supply*



Model RPP-0230

... Hybrid Test Set

... *Versatile instrument used in testing telephone cable circuits*



PRECISION POWER SYSTEMS...

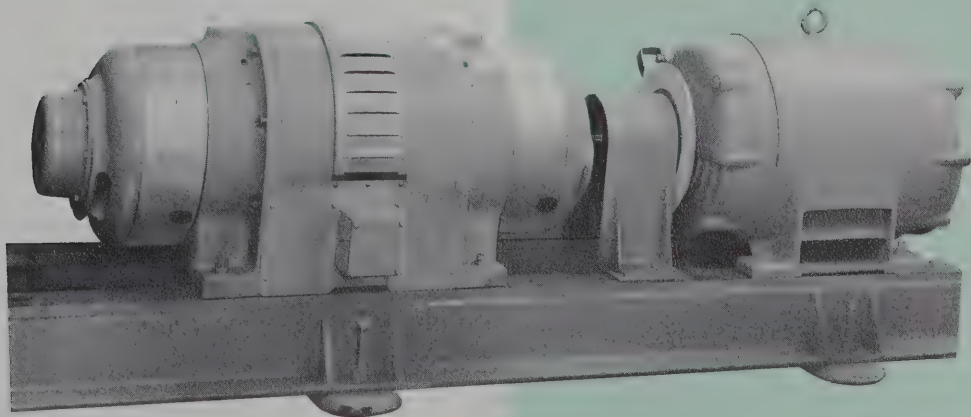
... Variable-Speed, Constant Frequency Alternator

... Controls frequency by control of AC revolving field.

... Holds .001% frequency over
±10% variation in shaft speed

... Programmable frequency.

Precision Frequency
37.5KVA MG set.



... Synchro Flux Motors

... Adjustable Speed Constant Torque

... Adjustable Speed Constant
Horsepower

... Adjustable Speed Synchronous Motor (Synchronized to reference, rather than to line)

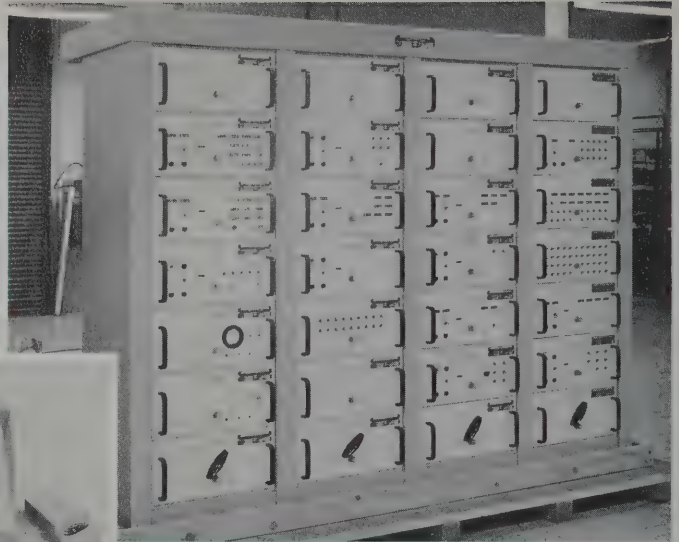
... Antenna drive motors

GROUND SUPPORT EQUIPMENT...

... ATLAS

... Silo Launch Control

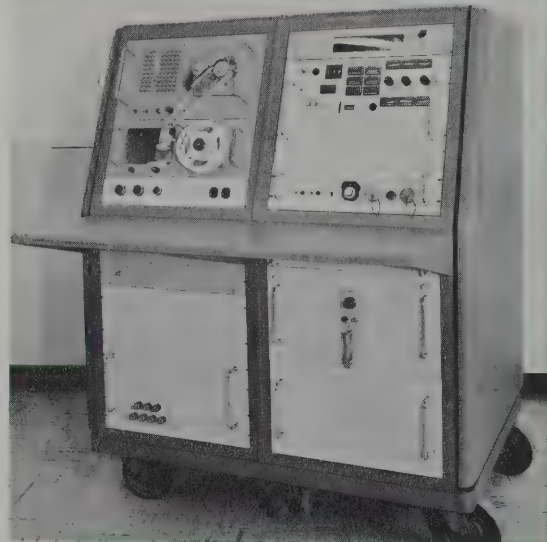
... *First system delivered 3 weeks
ahead of schedule*



... ATLAS

... Servo Amplifier Test Set

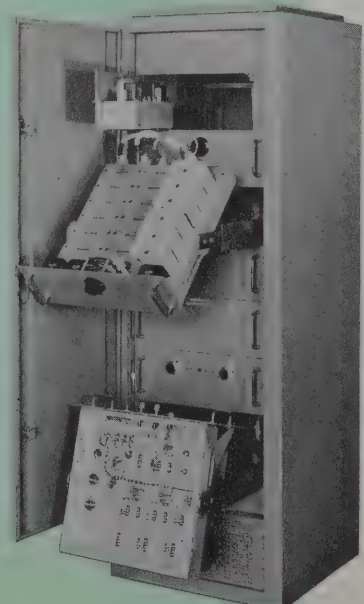
... *Automatic Operation*
... *Digital Tape Programming*
... *Self-Verification*
... *Go, No-Go Indication*



... ATLAS

... Program Monitor

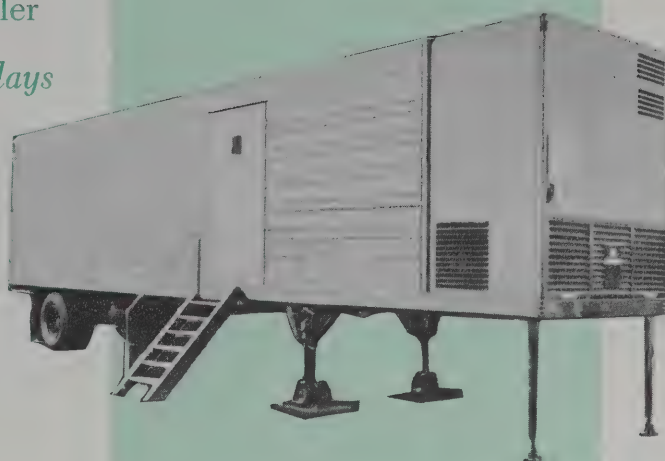
... *Pre-launch check of
autopilot programming.*



... ATLAS

... Pre-Launch Instrumentation Trailer

... *First system delivered in 28 days*



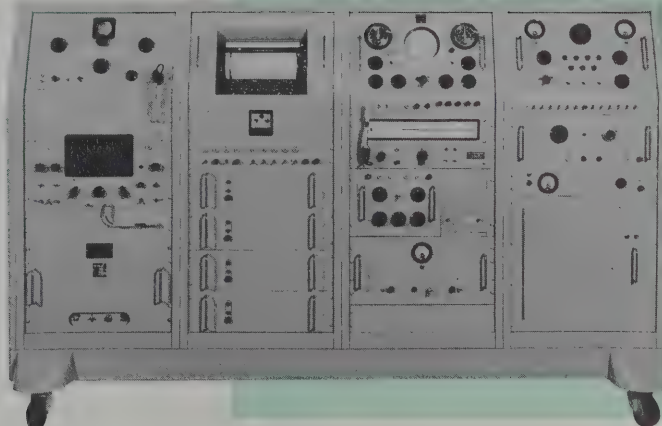
... MIDAS

... *Checkout control and indicator console*



... SNARK

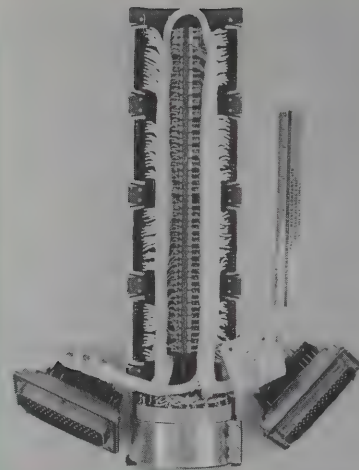
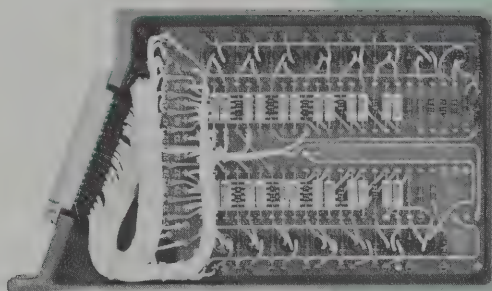
... Signal Detector Test Fixture



... SERGEANT

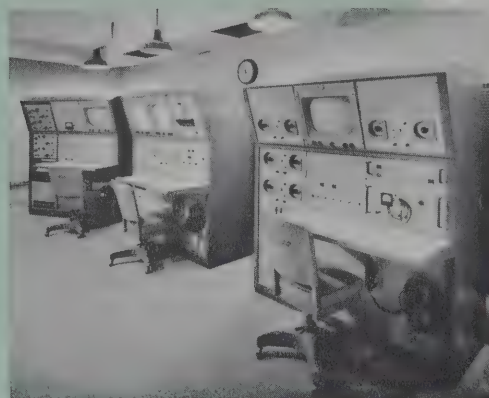
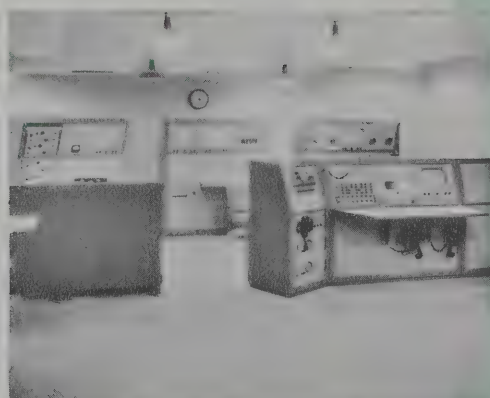
... Firing Test Set Assemblies

... Operational Missile Test Set Assemblies



... POLARIS

... Launch Control



... TITAN

... Test Stand Instrumentation

... *Over 1,000 racks*



... DISCOVERER

... Telemetry Trailers



... DISCOVERER

... Range Instrumentation Ship



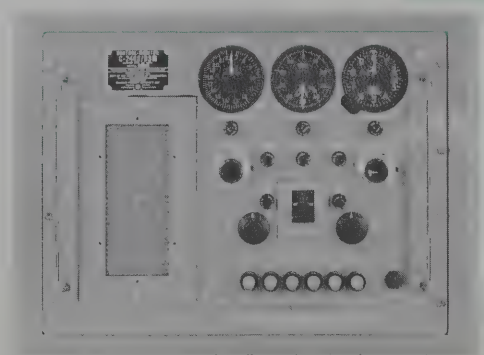
... REGULUS

... Airspeed — Height Simulator

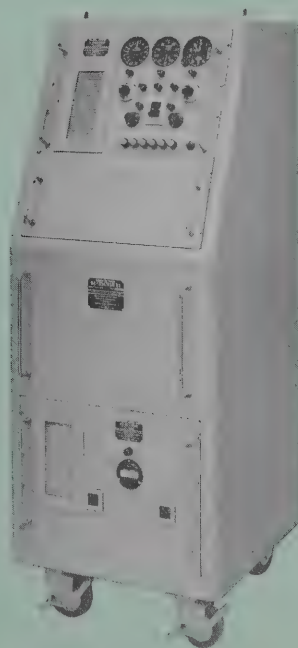
Simulation of altitude from 0-60,000 ft.

Simulation of mach number 0.7 to 2.2

Simulation of airspeed 50 to 850 knots



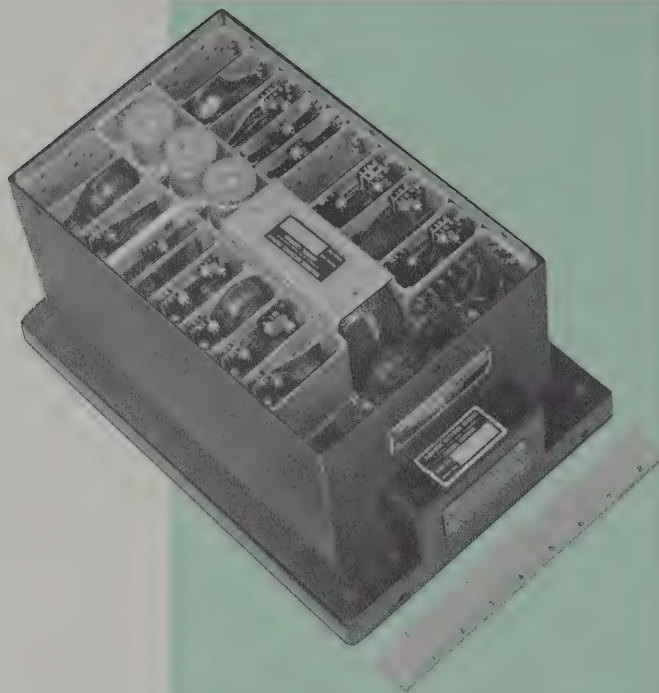
Model 2001



Model 2000

... MATADOR

... Autopilot



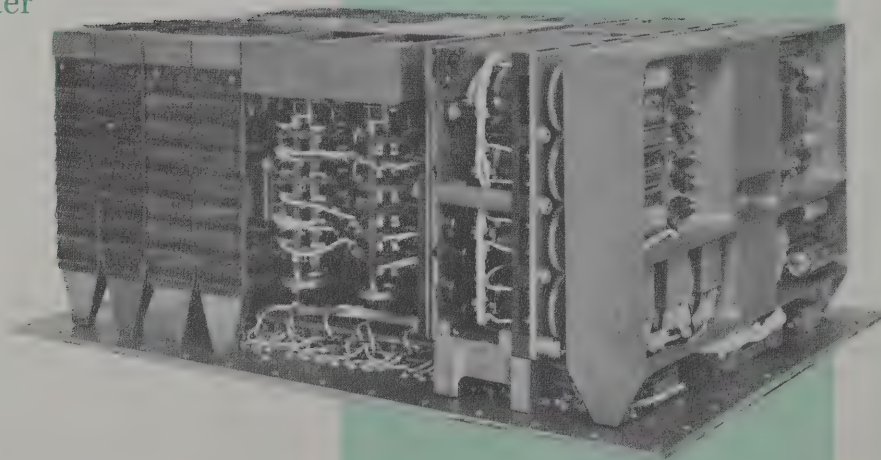
... POLARIS

... Autopilot
(second source)

CLASSIFIED

... VEGA

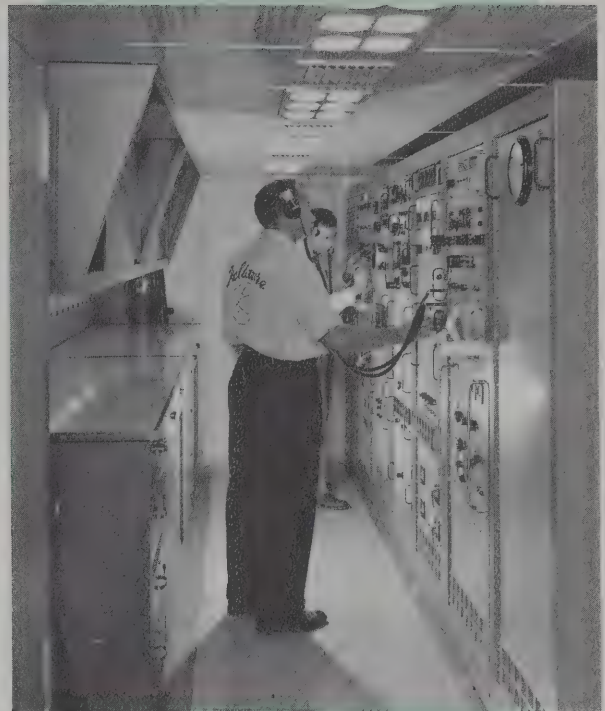
... Guidance Computer



... PIONEER

... Satellite Tracking Station

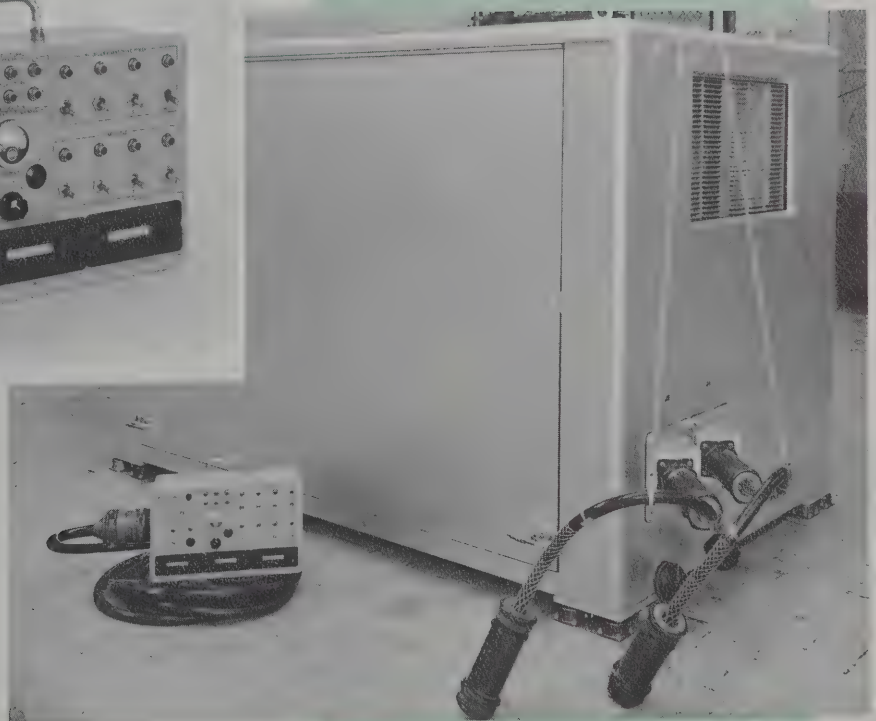
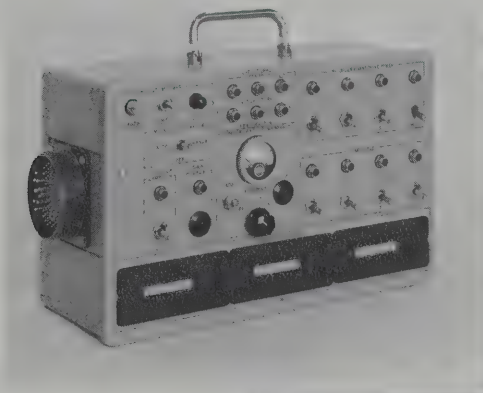
... Station completed in 54 days.



Tracking Station Trailer Interior

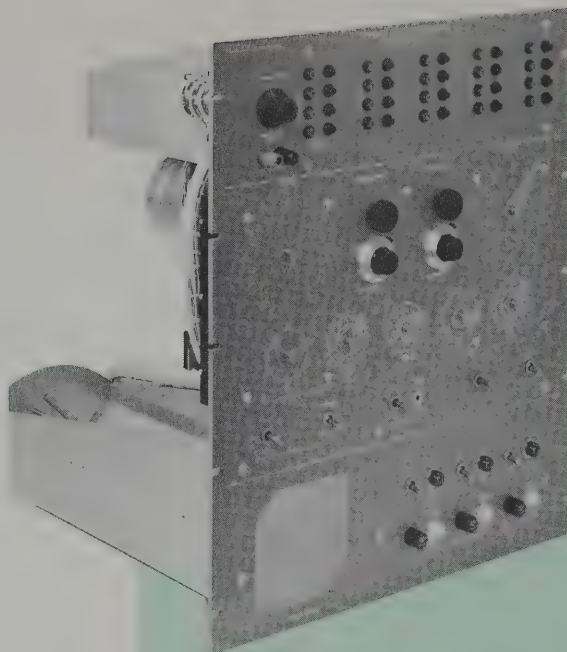
... MINUTEMAN

... Mobile engine test instrumentation



ASROC . . .

. . . Synchro Servo Test Set



FLIGHT CONTROL SYSTEM ANALYZER

(Federal stock number:
4920-601-7191)

Standard test for . . . F102

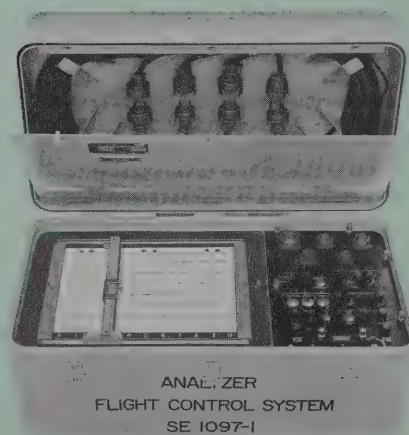
. . . TF102

. . . F106

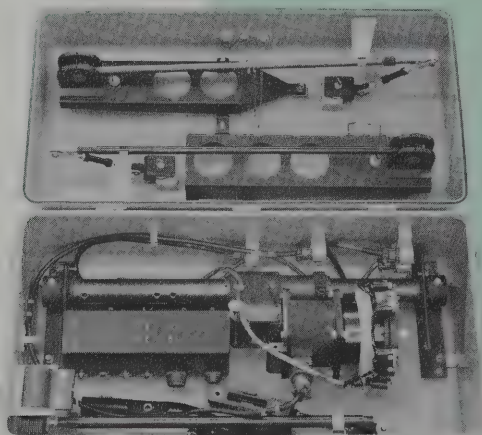
Plots stick force

vs.

Control Surface Angle



Recorder box



Test Fixture

SPACE SYSTEMS TECHNOLOGY GROUP

The Siegler Corporation Space Systems Technology Group has been established primarily to engage in the offering of specialized technical services in missile and space program test operations and test range planning, and to provide an over-all capability in range systems work from conceptual studies through field operations. These specialized services are accomplished through the combined capabilities existing in the Space Systems Technology Group and the Hallamore, Hufford, Magnetic Amplifier, Olympic Radio and Television, and Bogen-Presto Divisions of The Siegler Corporation.

For more than five years, personnel of the Space Systems Technology Group worked together as an integrated team in the U. S. Air Force ballistic missile and space programs. Group responsibilities during this association extended from a single purpose technical study of the problem of continuous telemetry communications with the Atlas nose cone during re-entry conditions, to the technical planning, systems engineering, and technical direction of the establishment of a complete instrumentation and range safety system at Vandenberg Air Force Base.

As an integral activity of The Siegler Corporation, the Group now offers a broad scope of test support capabilities encompassing any type of test support project, from solution of a single problem to the planning, design, building and operation of entire range systems or specialized test facilities.

FOR FURTHER INFORMATION CONTACT...

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ANAHEIM, CALIF.
(Telephone Equipment Sales)
Mr. William G. Vance
714 N. Brookhurst St.
Anaheim, California
PProspect 4-1010 TWX: AH 5279

THE BAY AREA
Mr. James R. Lynch
1474 Barton Drive
Sunnyvale, California
REgent 9-9880

SAN DIEGO AREA
Mr. Forrest Pendergast
P.O. Box 11011
San Diego 11, California
BRowning 7-8900 - Ext. 1937

INGLEWOOD, CALIF.
(Space Systems Technology Group)
Mr. Leslie D. Jacobs
3412 Century Boulevard
Inglewood, California
ORchard 7-7141

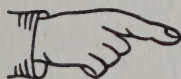
DENVER, COLORADO
Mr. Gary O. Langseth
430 S. Navajo
Denver, Colorado
SHerman 4-2931 TWX: DN 270

WASHINGTON, D.C.
Mr. Kimberly C. Hallamore
Suite 623 Tower Building
1401 K Street N.W.
Washington 5, D.C.
MEtropolitan 8-2920
TWX: WA 994

HUNTSVILLE, ALABAMA
Mr. J. ("Pat") Smith
J. P. Smith Associates
3313 Memorial Parkway
South Huntsville, Alabama
JEfferson 6-4996
TWX: HT ALA 8556

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IS
THE
TIME!**

**TEAR
ONE
OFF!**



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MAIL**

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Anaheim, Calif.

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DIVISION OF THE SIEGLER CORPORATION

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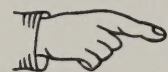
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